

1. A tubular, flexible, expandable stent having a longitudinal axis, comprising:
a plurality of cylindrical shaped segments, the segment being defined by a member formed in an undulating pattern of interconnected paired struts and in which adjacent pairs of struts in a given segment are interconnected at opposite ends, the interconnected ends defining end portions of the paired struts,

2. The stent of claim 1 wherein the first end of each interconnecting element is longitudinally displaced from the second end of each interconnecting element.

4. The stent of claim 1 wherein the orientation of the interconnecting elements reverses between adjacent pairs of adjacent segments along the length of the stent.

6. The stent of claim 1 wherein the interconnecting elements extend at an oblique angle relative to the longitudinal axis of the stent.

8. The stent of claim 7 wherein the orientation of the interconnecting elements reverses between adjacent pairs of adjacent segments along the length of the stent.

10. The stent of claim 9 wherein the metal is a shape memory alloy.

12. The stent of claim 1 in a self-expanding configuration.

14. A tubular, flexible, expandable stent having a longitudinal axis, comprising:

